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Message Text

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---------- 027953
R 142229Z NOV 75
FM SECSTATE WASHDC
TO AMEMBASSY STOCKHOLM

UNCLAS STATE 270696

E.O. 11652: N/A

TAGS: ETEL, SW, US

SUBJECT: TELECOMMUNICATIONS: U.S. CANDIDATE FOR L.M. ERICSSON PRIZE

1. SUMMARY. EMBASSY REQUESTED TELEPHONE MESSAGE IN PARA 3 TO GERHARD GOBL OF ERICSSON TELEPHONE COMPANY. END SUMMARY.

2. BACKGROUND.
A. BY FORM LETTER OF MARCH 1975, REFERENCE: PRIZE 5004, TO JOHN J. O'NEILL, JR., DIRECTOR, OFFICE OF INTERNATIONAL COMMUNICATIONS POLICY, DEPARTMENT OF STATE, C. JACOBAEUS, SECRETARY, L.M. ERICSSON PRIZE COMMITTEE, INVITED NOMINATIONS FOR L.M. ERICSSON INTERNATIONAL PRIZE FOR SIGNIFICANT CONTRIBUTIONS WITHIN TELECOMMUNICATIONS RESEARCH OR ENGINEERING. DEPARTMENT FORWARDED TWO NOMINATIONS.

B. CANDIDACY OF DR. ROBERT D. MAURER OF CORNING GLASS WORKS, CORNING, NEW YORK, WHO DEMONSTRATED FEASIBILITY OF UTILIZING FIBERS FOR OPTICAL COMMUNICATION, WAS CONVEYED WITH LETTER OF 2 SEPTEMBER, SENT BY O'NEILL VIA EMBASSY TO JACOBAEUS.
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C. CANDIDACY OF DR. HAROLD A. ROSEN OF HUGHES AIRCRAFT COMPANY, EL SEGUNDO, CALIFORNIA, WHO PIONEERED IN DEVELOPMENT OF SYNCHRONOUS COMMUNICATION SATELLITES, CONVEYED IN SAME MANNER 15 SEPTEMBER. JACOBAEUS ACKNOWLEDGED RECEIPT OF MAURER AND ROSEN CANDIDACIES BY LETTERS TO O'NEILL OF 16 AND 24 SEPTEMBER RESPECTIVELY, REFERENCE: PRIZE 5007. COPY OF FORMER WAS SENT TO ECONOMIC COUNSELOR HIRABAYASHI OF EMBASSY.

D. O'NEILL RECEIVED TELEPHONE CALL ON 12 NOVEMBER FROM GERHARD GOBL, DEPARTMENT VH-UE, L.M. ERICSSON TELEPHONE COMPANY, REQUESTING FURTHER DETAIL REGARDING MAURER CANDIDACY. QUESTIONS BY GOBL CENTERED AROUND MANNER IN WHICH MAURER'S CONTRIBUTION WAS DISTINGUISHABLE FROM CONTRIBUTIONS OF DR. KECK (PARTICULARLY), DR. SCHULTZ AND DR. KAPRON (WHO HAVE WORKED WITH DR. MAURER AT CORNING, WHO HAVE CO-AUTHORED ARTICLES WITH HIM, AND WHOSE NAMES HAVE APPEARED ON PATENTS WITH HIS.) GOBL ALSO ASKED WHETHER MAURER'S CONTRIBUTION WAS IN REALM OF MANAGEMENT OR IDEAS.

E. GOBL INDICATED TIME WAS OF THE ESSENCE IN RECEIVING CLARIFICATION ON THESE POINTS. O'NEILL TOLD HIM WE WOULD REPLY VIA EMBASSY.

3. EMBASSY REQUESTED TO TELEPHONE FOLLOWING INFORMATION TO GOBL. QUOTE. AS THE MANAGER OF A SMALL RESEARCH DEPARTMENT, DR. MAURER WAS THE LEADER OF THE LABORATORY EFFORT THAT LED TO THE BREAKTHROUGH IN LOW-LOSS TRANSMISSION VIA OPTICAL WAVE GUIDE, WITH THE SUPPORT OF DEPARTMENT PERSONNEL SUCH AS DR. KECK, DR. KAPRON, ETC. IT WAS DR MAURER'S CONCEPT TO PURSUE THE FABRICATION OF OPTICAL WAVE GUIDES THROUGH THE USE OF HIGH-SILICA MATERIAL MADE BY VAPOR-PHASE OXIDATION WITH APPROPRIATE DOPANTS, AND IT WAS THIS APPROACH THAT PRODUCED THE BREAKTHROUGH. END QUOTE.

4. DEPARTMENT INTERESTED IN ANY INFORMATION THAT MAY COME TO LIGHT ON MAURER, ROSEN, OR OTHER U.S. CANDIDACIES.
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(FORM LETTER INVITING NOMINATIONS MAY HAVE RECEIVED WIDE DISTRIBUTION, RESULTING IN DIRECT SUBMISSIONS FROM U.S. OR ELSEWHERE. THERE WAS NO REQUIREMENT STATED THAT SUBMISSIONS BE VIA GOVERNMENTS.) INGERSOLL

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TAGS: ETEL, SW, US, (MAURER, ROBERT D), (ROSEN, HAROLD A)
To: STOCKHOLM
Type: TE
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